	er ID 64723 ber 14, 2010 1:16:36 I	- PM						-			•	Page 1
Revision ID:	D412-702-123B Harness Assembly			Accept					Setup	Start Stop	1 (10)(10),00	
Start Date: Required Date: Reference:	_	ty: 1.00 Qty: 1.00			Cust Iten Custome							
Approvals:	Process Plan:	Pl	Date:	Tooling: _ SPC (Y/N):		Date:			Run	Start Stop		
Sequence ID/ Work Center ID	Operation Description			Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr	-			,		-					
DSI 9469	A		e partie		· ·			*				
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	Pick Kit			0.00		•		5			/2/	/ 10 (20)
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Small Fab Small Fab		Memo Assemble as	 per DSI9469	0.00								

W/O:	WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Resolution:			Disposition	1:	_ QA: N/C CI	osed:		Date: _			
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NCF	R)					
DATE	STEP	Description of NC	Initial	Corrective Action Section B Initial Action Description Sign			Sign & Verification Section C Ch				
		Section A	Chief Eng	Chief Eng	Date	Sec	uon C	Chief Eng	QC Inspector		
								<u> </u>			

### Work Order ID 64723

Tuesday, December 14, 2010 1:16:36 PM



Page 2

Item ID:

D412-702-123B

Accept

Setup Start

Stop



**Revision ID:** 

Item Name: Harness Assembly

**Start Date:** 

12/14/2010 Start Qty: 1.00

**Required Date: 12/22/2010** Req'd Qty: 1.00

**Cust Item ID: Customer:** 

Reference:

Approvals:	A	gg	rov	als:
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Process Plan:

Date:\_\_\_\_

Tooling:

Date:

Run Start



Date:

SPC (Y/N):

Set Up/

Date:

Stop



Sequence ID/ Work Center ID

120

**Operation** Description

QC5- Inspect part completeness to step on W/O

**Run Hours** 0.00

**Tool ID** 

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Quality Control

0.00



Packaging

130

Memo

Memo

0.00

Identify and pack for shipping as per PPP D412-702-123B / DSI 9469

Location: PPP rev:

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			W	ORK ORDER CHANG	GES	······································				
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
Part No	:	PAR #:	Fault Cat	egory:	NCI	R: Yes	No DQ	A:	Date: _	
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign 8 Date		tion C	Chief Eng	QC Inspector
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## **Picklist Print**

Tuesday, December 14, 2010 1:16:40 PM

Work Order ID: 64723

Parent Item:

D412-702-123B

Parer . Item Name: Harness Assembly



Start Date: 12/14/2 ... 10

Required Date: 12/22/2015

Page 1

Start Qty: 1.00

Required Qty: 1.00

#### Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3570-4		Manufactured	No				Each	8.0000		15	0/12	//6	
		,	•	Location		Loc	<u>Oty</u>	Loc Code					
				ST245A			8				-		
D2570 049					62485		8				-		
D3579-048  Shoulder Harness		Manufactured	No				Each	4.0000		15	0/10	2/16	<u>.                                    </u>
				Location		Loc	Otv	Loc Code					
				ST274			4						
					59042		4		_	7	=		
MS24694-S50		Purchased	No				Each	147.0000	4	4	10/1	2/10	
Selew		• • • •		Location		Loc (	Qty	Loc Code					
				ST289			147						
					115016		47			4	_		
					116304		100		_		_		
AN960JD10L	NAS1149D0332J	Purchased MII4884	No				Each	0.0000	4	45	10/12	/16	
Washer									7			/	

W/O:			WO	RK ORDER CHANGE	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
<del>~-</del>			<u> </u>						
Part No	•	PAR #:	Fault Cate	jory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
		olution:							
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR	1)			
DATE	STEP	Description of NC		on B	Verifi	cation	Approval	Approval	
DATE	SIEP	Section A	Initial Action Descript Chief Eng Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC Inspector
								]	-
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į									

### **Picklist Print**

Tuesday, December 14, 2010 1:16:40 PM

Work Order ID: 64723

Parent Item:

D412-702-123B

Pa. ent Item Name: Harness Asser bly



Start Date: 12/14/2010

**Required Date: 12/2\_/2010** 

Page 2

Start Qty: 1.00

Required Qty: 1.00

MS21042L3



Nut

Purchased

Manufactured

No

No

Each

2,030.000

Loc Code

Location Loc Qty ST300 2030 11/79/

24.0000

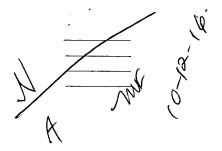
D3569-3

Decal

114/84	34
115835	996
116373	100
116391	900
	Each



<b>Location</b>	Loc Qty	Loc Code
ST245A	24	
56385	2	
59891	2	
64281	20	
56385 59891	2 2	



W/O:		· · · · · · · · · · · · · · · · · · ·	WO	RK ORDER CHANG	ES					
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Part No	:	PAR #:	Fault Categ	ory:	NCI	R: Yes	No <b>DQ</b> A	\:	Date: _	
		esolution:								
NCR:			WORK ORDE	R NON-CONFORMA	ANCE	(NCF	l)			
D. T. T.	OTED	Description of NC			etion B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Action Descriptio Chief Eng Chief Eng			Sign 8 Date	Section C		Chief Eng	QC Inspector

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3 REF TCCA STC: SH04-7

REF FAA STC: SR01997NY REF EASA STC: EASA.IM.R.S.00710

#### **PURPOSE:**

Update the D412-702-041A/045A/-041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

#### CHANGE:

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatability with the Dart seat. When installing the AN4 bolts in the Dart seat, open the Ø0.188" holes to Ø0.257" (see sheet 4 detail J of this service instruction for reference). Alternate nuts added (see flag note 2 & 3, sheet 4). The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY	QTY	QTY	QTY	QTY	PART NUMBER	DESCRIPTION			٠
041A	-043A	-045A	-047A	-049A	5445 705 6444				
X				ļ	D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit			
		X		l ——	D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit		200	
 S:				<u> </u>		<del></del>	SHOP C	1	
<del>3</del> ;					······································	-1	RETURI	ŢΟ	
7		1		<del></del>	D412-702-111A	LIADNICCO ACCCADI V (EVICETALO)	ENGINEE	RING	١.
					D412-702-111A	HARNESS ASSEMBLY (EXISTING)	UNCONTROL	EF	C
1		1			D412-702-121A	HARNESS ASSEMBLY (NEW)	UNCONTROL	LIDIU	ب
1*		1.			D3570-3	BRACKET	SUBJECT TO A	NEN	Μ
1*		1*			D3570-3 D3579-043	SHOULDER HARNESS	WITHOUT	NOTI	CE
4*		4*			MS24694S50	SCREW	WORK C	RDI	R
4*		4*			AN960JD10L	WASHER		ラゴ	7
10		1*			MS21042L3	NUT	NO	70	-
<del>  </del>		1*			D3569-1	DECAL			
+ +					D3369-1	I DECAL	- MIO-	12	_,
1		1			D412-702-113A	HARNESS ASSEMBLY (EXISTING)			,
1		1			D412-702-123A	HARNESS ASSEMBLY (NEW)			
1*		1*			D3570-4	BRACKET		)	
1*		1*			D3579-044	SHOULDER HARNESS			
4*		4*			MS24694S50	SCREW		ı	
4*		4*			AN960JD10L	WASHER		1	
1*		1*			MS21042L3	NUT			
1*		1*			D3569-2	DECAL			
4		4			AN4-27A	BOLT (NEW)			
VAS:	1	1							
2	-	2			D412-702-111A	HARNESS ASSEMBLY			•
+					OTIZ-10Z-111A	THATTLOO MOCLADET	<del> </del>	1	
2		2			D412-702-113A	HARNESS ASSEMBLY			
DENC	TES TH	AT PAF	T IS IN		WITH ASSEMBLY	Y ABOVE			

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

D. SHEPHERD (DE # 02)

DATE: 10.01.13 CERT. NO.: SH04-7 ISSUE NO.: 3

С	UPDAT	TE MS51865-	6C ACORN NUT QUANTITY	JPH	10.01.13		
В	ADD F	LAG NOTE 2	& 3 AND OPEN AN3 HOLES TO AN4	CP	09.12.10		
Α	NEW I	SSUE, NCR 0	9-068	CP	09.06.30		
REV.			DESCRIPTION	BY	DATE		
DESIGN #			DART AEROSP	LTD			
DRAWN #			HAWKESBURY, ONTAR				
CHECKE	D	#	DRAWING NO.		REV. C		
MFG. AF	PR.	NA	DSI 9469	_ :	SHEET 1 OF 5		
APPRO\	/ED	INP.	TITLE	SCALE			
DE APPR.			AFT-FACING SEAT UPDATE				
DATE	10.0	1.13	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRINATE AND CONFIDENTIAL HID IS SUPPLIED ON THE EXPRESS COROTTON THAT HOT TO BE USED FOR ANY PURPOSE OR CORNED OR COMBADIECATED TO ANY OTHER PERSON WITH				

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W/O:			RK ORDER CHANGE	S					
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				<u> </u>					

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Hamess Kit
	— t	Х			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
						L4
<b>1</b> \$:						
				T .		r <sup>4</sup>
1		1			D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1.		1*			D3569-3	DECAL
1		1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
∸┪					- 112 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1		1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-4	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*	1	4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*		<del>                                     </del>	MS21042L3	NUT
1*		1*			D3569-3	DECAL
<del>`  </del>						
4		4			AN4-27A	BOLT (ADD)
·						1
WAS:				-		_ <b>/</b>
				r	<del></del>	r4
2		2			D412-702-111B	HARNESS ASSEMBLY
				<u> </u>		
2		2		<u> </u>	D412-702-113B	HARNESS ASSEMBLY
<del>-  </del>						

<sup>\*</sup> DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

wlo 44723

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

DATE: 10.01.13 CERT. NO.: SH04-7 ISSUE NO.: 3

DESIGN A		DART AEROSPACE LTD			
DRAWN	W.	HAWKESBURY, ONTARIO, C	;ANADA		
CHECKED	#	DRAWING NO.	REV. C		
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5		
APPROVED	M	TITLE	SCALE		
DE APPR.	-#	AFT-FACING SEAT UPDATE	NTS		
DATE 10.0	1.13	COPYRIGHT © 2009 BY DART AEROS THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE MOT TO BE USED FOR ANY PURPOSE ON COPPED OR COMMUNICATED TO	EXPRESS CONDITION THAT IT IS		

W/O:			WC	RK ORDER CHANG	ES				
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Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No <b>DQ</b>	A:	Date: _	
	Re	solution:	Disposition	1:	_ QA: N/C Clo	sed:		Date: _	·
NCR:		\	WORK ORDI	ER NON-CONFORMA	ANCE (NCR	)			
		Description of NC		Corrective Action Secti		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		tion C	Chief Eng	QC Inspector
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Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

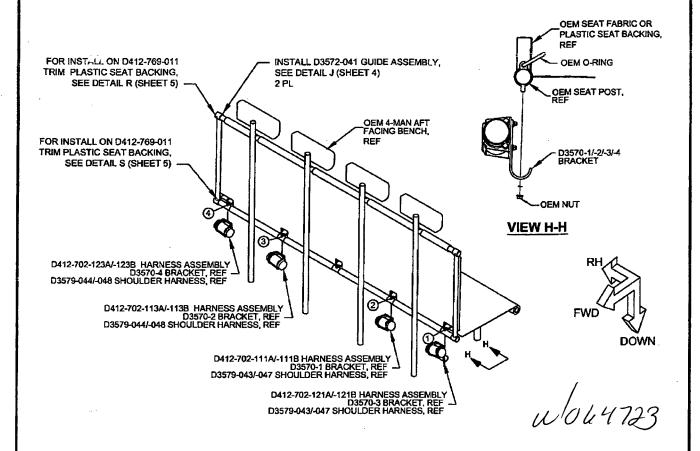
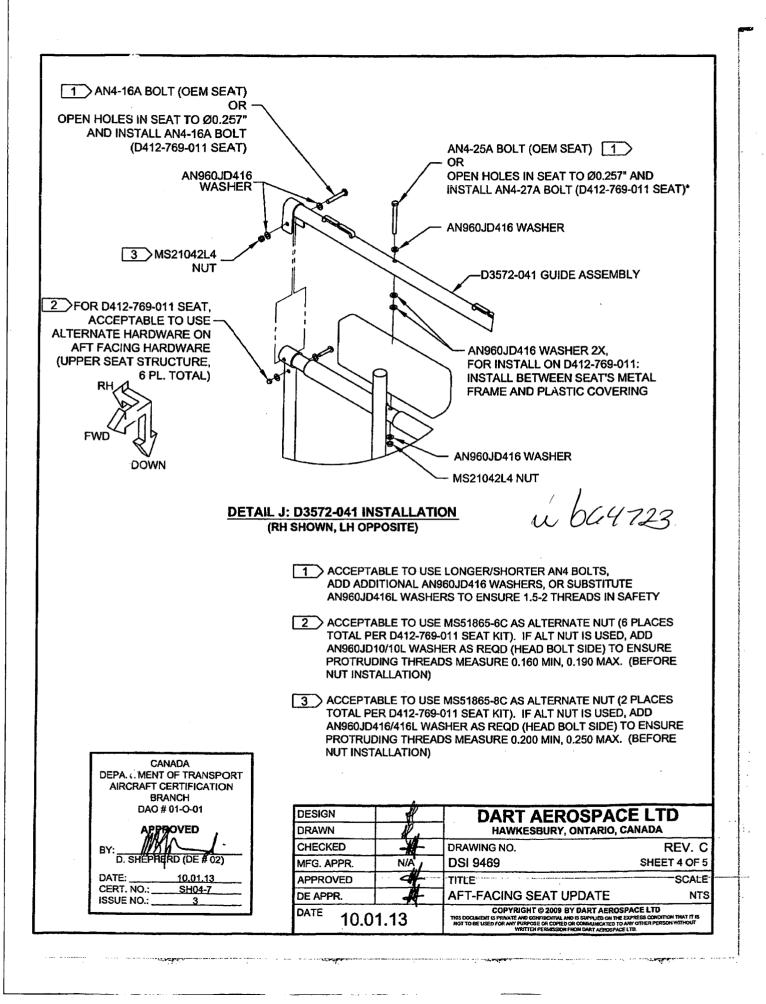


FIGURE 4.8. SHOULDER BELT INSTALLATION
FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT

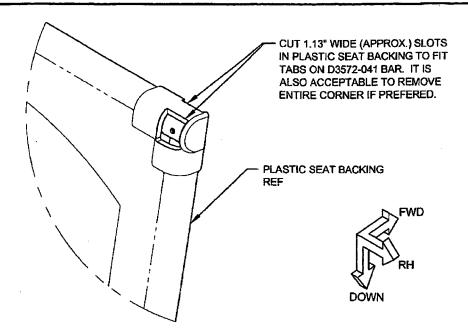
CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01
BY: D. SHEPHERD (DE # 02)
DATE: 10.01.13  CERT. NO.: SH04-7  ISSUE NO.: 3

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CHECKED	#	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9469	SHEET 3 OF 5
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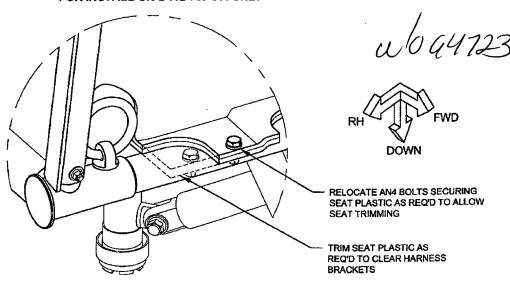
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									y -



<u>DETAIL R</u>

VIEW LOCKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),

FOR INSTALL ON D412-769-011 ONLY



VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE #02)

DATE: 10.01.13 CERT. NO.: SH04-7 ISSUE NO.: 3

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DATE 10.0	1.13	COPYRIGHT © 2009 BY DART AEROSPACE LTD  THIS COCUMENT IS PRIVATE AND COMPRISHTUL AND IS SUPPLED ON THE EXPRESS CONDITION THAT IT IS  MOT TO BE USED FOR ANY PURPOSE OR COMPED OR COMMANCATED TO ANY OTHER PERSON WITHOUT  WITTEN PERMISSION PROMOMENTATION TO ANY OTHER PERSON WITHOUT  WITTEN PERMISSION PROMOMENTATION FOR THE PERMISSION PROMOMENTATION PROMOMENTATIO		

W/O:		WORK ORDER CHANGES					
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Part No:		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		
:								
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